

REMARKS

The specification has been substituted to correct typographical errors by globally amending "Polyvinyledeen," "anode" and "cathode" to "polyvinylidene," "cathode" and "anode." The Examiner correctly recognized the reversal of the terms "anode" and "cathode" in the original specification. See page 5, first paragraph, of the Action.

The Examiner rejected claims 1-7 under 35 USC 112, first and second paragraphs. This rejection is respectfully traversed and should be overcome by this Amendment.

Claims 1-4 and 6 were rejected as being anticipated by Sugikawa. This rejection is respectfully traversed.

The limitation "wherein the carbon electrode is a solid sheet" of claim 1 is supported by layer 20 in Figure 1. Layer 20 is shown in solid black to indicate a solid sheet as compared to layer 22 of the porous film of a metal, which is shown as a layer with holes therein. Also, the Examples in the specification disclose that the carbon electrode was "cast on a copper thin plate." See page 8, lines 16 and 17, for example. Such a cast electrode is a solid sheet. On the other hand, Sugikawa discloses "a plurality of porous sheets" (see Abstract) on which a metal is applied. Thus, the rejection of claim 1 as being anticipated by Sugikawa should be withdrawn.

Independent claim 2 now includes the limitation of claim 5, which was not rejected over Sugikawa. Thus, the rejection of claim 2 as being anticipated by Sugikawa should be withdrawn.

Claims 1 and 7 were rejected as being anticipated by Yoon. This rejection is respectfully traversed.

Yoon discloses an electrode having a copper substrate coated with nickel-coated graphite powder as disclosed in Example 1 and as understood by the Examiner (see page 4, lines 1 and 2, of the Action). Yoon's nickel-coated graphite powder even when applied as a coating *cannot* form a porous film consisting essentially of a metal or a metal alloy. Thus, the anticipation rejection of claims 1 and 7 over Yoon should be withdrawn.

Claim 7 is rejected as being obvious over Yoon. This rejection is respectfully traversed.

As explained above, Yoon discloses an electrode having a copper substrate coated with nickel-coated graphite powder. There is no suggestion in Yoon to use a porous film consisting

essentially of a metal or a metal alloy. Thus, the obviousness rejection of claim 7 over Yoon should be withdrawn.

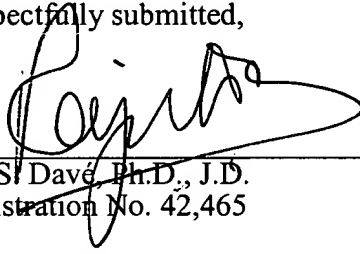
In light of this Amendment, a Notice of Allowance is respectfully solicited.

In the event that the transmittal letter is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952**, referencing docket number 300602002100. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: June 27, 2003

By:


Raj S. Dave, Ph.D., J.D.
Registration No. 42,465

Morrison & Foerster LLP
1650 Tysons Boulevard
Suite 300
McLean, Virginia 22102
Telephone: (703) 760-7700
Facsimile: (703) 760-7777